



# iPhone 6s Upper Left Antenna Replacement

Replace the upper left antenna in an iPhone 6s.

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## INTRODUCTION

Follow the steps in this guide to replace the upper left antenna in an iPhone 6s.



### TOOLS:

- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [Suction Handle](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)



### PARTS:

- [iPhone 6s Cellular Antenna](#) (1)

## Step 1 — Pentalobe Screws



 Before disassembling your iPhone, discharge the battery below 25%. A charged lithium-ion battery can catch fire and/or explode if accidentally punctured.

- Power off your iPhone before beginning disassembly.
- Remove the two 3.4 mm P2 Pentalobe screws on the bottom edge of the iPhone, next to the Lightning connector.

## Step 2 — Opening Procedure



- ❗ Opening the display on the 6s separates a thin strip of adhesive around the perimeter of the display. If you prefer to replace the adhesive, have a set of new adhesive strips ready before you continue. It's possible to complete the repair without replacing the adhesive, and you probably won't notice any difference in functionality.
- Apply a suction cup to the lower left corner of the display assembly.
- Take care **not** to place the suction cup over the home button.

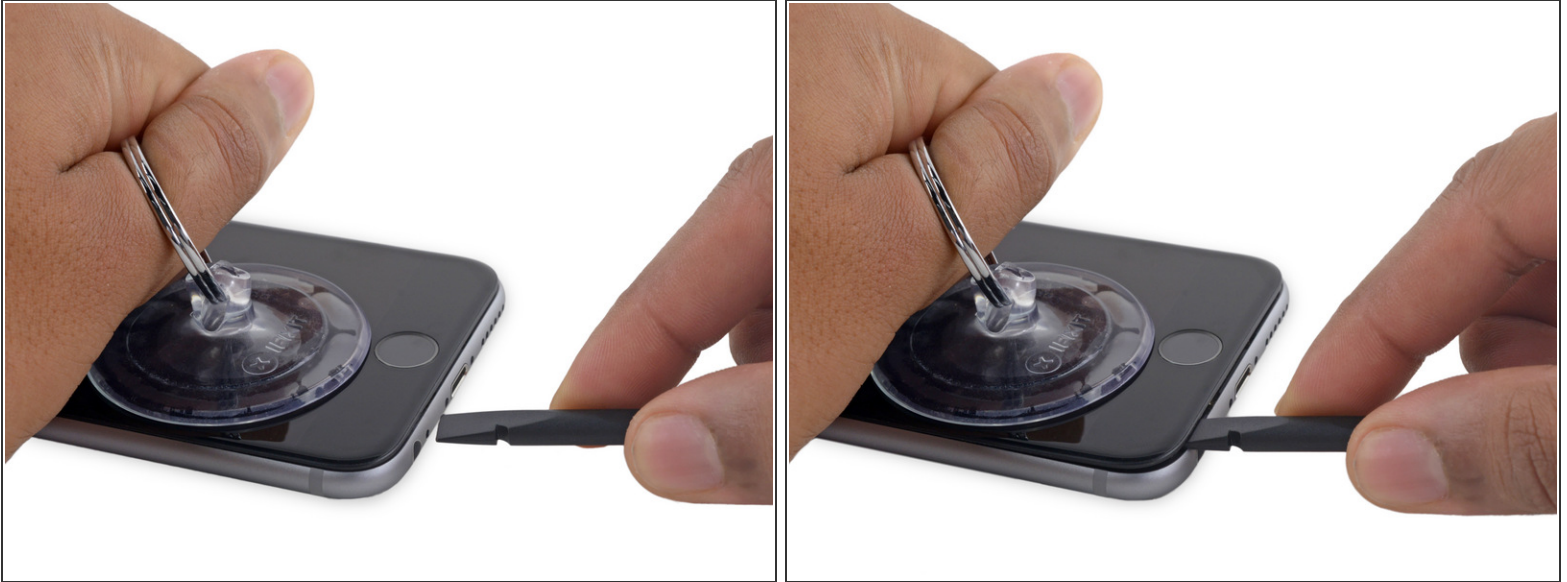
## Step 3



- Pull up on the suction cup with firm, constant pressure to create a slight gap between the front panel and rear case.
  - ⓘ Take your time and apply firm, constant force. The display assembly is a much tighter fit than most devices and is held down with adhesive.
- ⚠ Pulling too hard may damage the display assembly. Apply just enough pressure to create a small gap between the display assembly and the rear case.



## Step 4



- i** There is a notch on the underside of the display, just above the headphone jack. This is the safest place to begin prying the phone open.
- Place the flat edge of a spudger into the gap between the screen and rear case, directly above the headphone jack.

## Step 5



- Twist the spudger to widen the gap between the front panel assembly and the rest of the phone.

## Step 6



- Insert the flat end of the spudger on the left side of the phone, between the display assembly and rear case.
- Slide the spudger up the side of the phone to separate the adhesive and pop the clips free.

## Step 7



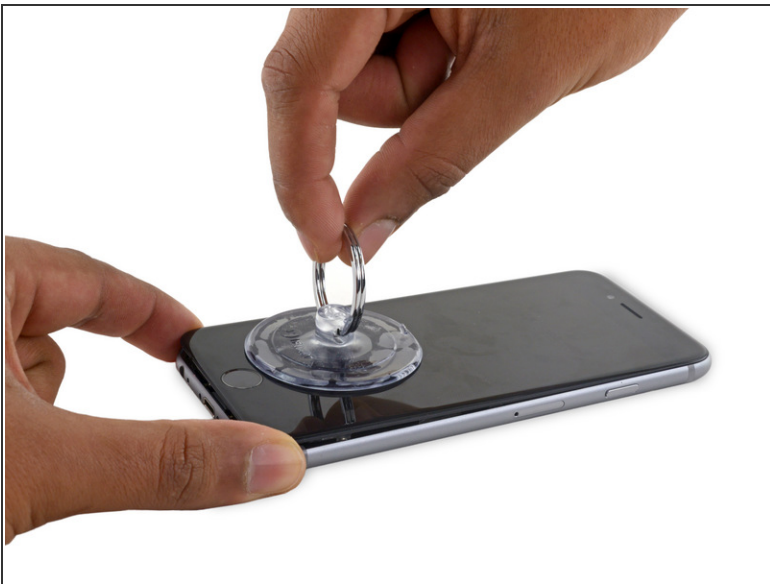
- Remove the spudger and reinsert it on the bottom edge, where you pried the phone open.
- Slide the spudger to the right, along the bottom edge of the phone.

## Step 8



- Slide the spudger up the right side to continue separating the adhesive and popping the display clips free from the iPhone.

## Step 9



- Use the suction cup to open the display, breaking the last of the adhesive.

⚠ Don't open the display more than 90°, as it is still connected at the top by three cables that may break if stretched.



## Step 10



- Pull up on the nub on the top side of the suction cup to remove it from the front panel.

## Step 11



- Gently grasp the display assembly and lift it up to open the phone, using the clips at the top of the front panel as a hinge.
- Open the display to about a 90° angle, and lean it against something to keep it propped up while you're working on the phone.
  - Add a rubber band to keep the display securely in place while you work. This prevents undue strain on the display cables.

 In a pinch, you can use an unopened canned beverage to hold the display.

## Step 12 — Battery Connector



- Remove the two Phillips screws securing the battery connector bracket:
  - One 2.9 mm screw
  - One 2.2 mm screw

## Step 13



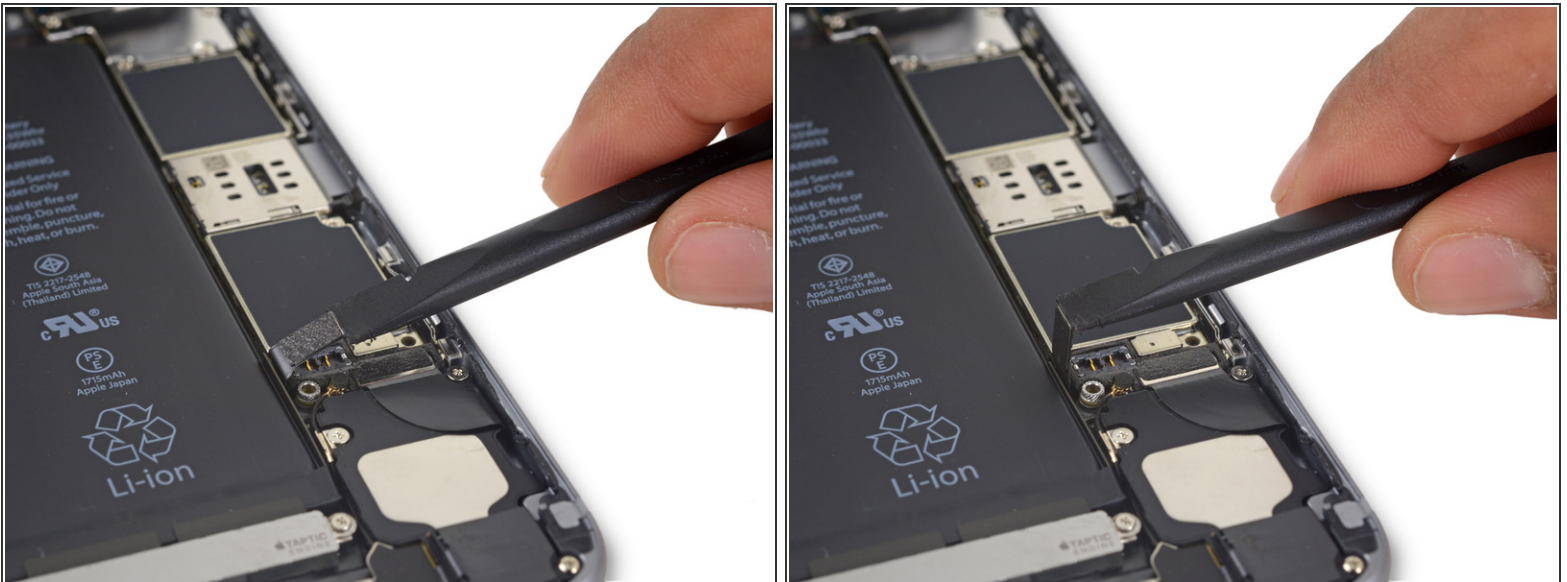
- Remove the battery connector bracket from the iPhone.

## Step 14



- Use the point of a spudger to disconnect the battery connector by prying it straight up from the logic board.

## Step 15



- Push the battery connector away from the logic board until it stays separated from its socket, so as to avoid any accidental connection to the battery while you work.



## Step 16 — Front Panel Assembly



- Remove the following four Phillips screws securing the display cable bracket:
  - Three 1.2 mm screws
  - One 2.8 mm screw

## Step 17



- Remove the display cable bracket.



## Step 18



- Use the flat end of a spudger, or a fingernail, to disconnect the front camera flex cable by prying it straight up from its socket on the logic board.

## Step 19



- Use the flat end of a spudger, or a fingernail, to disconnect the digitizer cable by prying it straight up from its socket on the logic board.

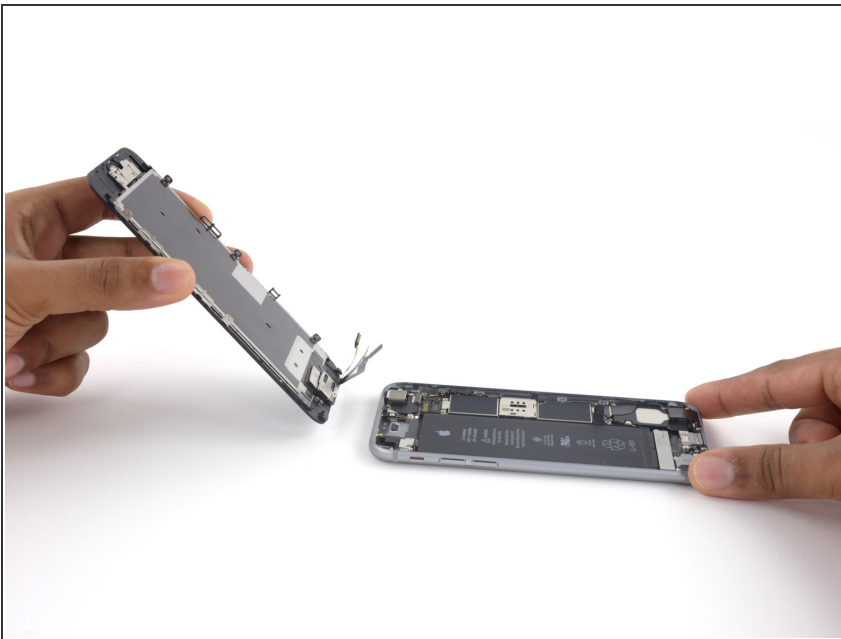
⚠ When reconnecting the digitizer cable, **do not press the center of the connector**. Press one end of the connector, then press the opposite end. Pressing in the center of the connector can bend the component and cause digitizer damage.

## Step 20



- Use the flat end of a spudger, or a fingernail, to disconnect the display data cable by prying it straight up from its socket on the logic board.

## Step 21



- Remove the display assembly.
- ☑ During reassembly, pause here if you wish to [replace the adhesive around the edges of the display](#).



## Step 22 — Upper Left Antenna



- Remove the two 2.3 mm Phillips screws over the audio control cable bracket.
- Remove the audio control cable bracket.

## Step 23



- Remove the following five Phillips screws holding the antenna in place:
  - Two 1.5 mm screws
  - One 2.3 mm screw
  - Two 2.0 mm screws set into the top edge of the rear case



## Step 24



- Remove the upper left antenna.

To reassemble your device, follow these instructions in reverse order.

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